

## WHAT IS CLAIMED IS:

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A1
1. An arrangement in hearing protection in the form of an acoustic headset, comprising a first auditory cup (10), a second auditory cup (11) and a stirrup or headband (12) interconnecting the auditory cups (10, 11), a microphone (13) being provided for receiving ambient sound, and an electronic control unit (15) actuable by a button set (14) being provided for transmitting sound from the microphone (13) and a radio unit (16) by the intermediary of loudspeakers (17) in the auditory cups (10, 11), characterized in that the button set (14) comprises a plurality of associated buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) arranged in groups; and that each group of buttons, for activation by means of the fingers of the wearer, is disposed in a separate depression or recess (23, 24, 25, 26) in the first auditory cup (10).
2. The arrangement as claimed in Claim 1, wherein a first group of buttons (18, 18') is connected to the control unit (15) for adjusting the volume relationship between sound from the radio unit (16) and sound from the microphone (13), and wherein the control unit (15) is designed to permit limited reduction of the sound from the microphone (13) to a lowest level audible to the wearer.
3. The arrangement as claimed in Claim 1, wherein the buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) are provided with symbols in relief indicating the function of the buttons.
4. The arrangement as claimed in Claim 1, wherein the depressions or recesses (23, 24, 25, 26) are disposed in an arched surface on the first auditory cup (10), and wherein at least the depressions or recesses displaying a plurality of buttons, together with the buttons disposed therein, are disposed along a curved path adapted to the length of the wearer's fingers.
5. The arrangement as claimed in Claim 2, wherein a first separate button (21) is connected to the control unit (15) for shutting off sound from the radio unit (16) and the microphone (13), respectively, and

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wherein the control unit (15) is operative, on a brief depression of the first separate button (21), to shut off sound from the radio unit (16) and, on a more lengthy depression, to shut off sound from both the radio unit (16) and the microphone (13).

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